

Patent  
Attorney's Docket No. 030681-276

# 7/A  
4-14-03  
J. Carter

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of )  
Jun-hee CHOI et al. ) Group Art Unit: 2882  
Application No.: 09/754,273 ) Examiner: Elizabeth M. Gemmell  
Filed: January 5, 2001 ) Confirmation No.: 3038  
For: FIELD EMISSION DEVICE AND )  
METHOD FOR FABRICATING THE )  
SAME )

**AMENDMENT AND REPLY TO RESTRICTION REQUIREMENT**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

In reply to the Restriction Requirement dated March 12, 2003, kindly add the following new claims 12 and 13:

*SUB*  
*BT*  
*7*

-- 12. A method of fabricating a field emission device (FED) comprising:  
providing a substrate;  
forming a cathode over the substrate;  
forming micro-tips having nano-sized surface features on the cathode;  
providing a gate insulation layer with wells each of which a single micro-tip is  
located in, the gate insulation layer formed over the substrate; and  
providing a gate electrode with gates aligned with the wells such that each of the  
micro-tips is exposed through a corresponding gate, the gate electrode formed on the gate  
insulation layer.

13. The method of claim 12, further comprising forming a resistor layer over or  
beneath the cathode, or forming a resistor layers over and beneath the cathode. --

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**AMENDMENT/REPLY TRANSMITTAL LETTER**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Enclosed is a reply for the above-identified patent application.

- ☐ A Petition for Extension of Time is also enclosed.
- ☐ A Terminal Disclaimer and the ☐ \$55.00 (2814) ☐ \$110.00 (1814) fee due under 37 C.F.R. § 1.20(d) are also enclosed.
- ☐ Also enclosed is/are \_\_\_\_\_.
- ☐ Small entity status is hereby claimed.
- ☐ Applicant(s) request continued examination under 37 C.F.R. § 1.114 and enclose the ☐ \$375.00 (2801) ☐ \$750.00 (1801) fee due under 37 C.F.R. § 1.17(e).
  - ☐ Applicant(s) previously submitted \_\_\_, on \_\_\_, for which continued examination is requested.
- ☐ Applicant(s) request suspension of action by the Office until at least \_\_\_, which does not exceed three months from the filing of this RCE, in accordance with 37 C.F.R. § 1.103(c). The required fee under 37 C.F.R. § 1.17(i) is enclosed.
- ☐ A Request for Entry and Consideration of Submission under 37 C.F.R. § 1.129(a) (1809/2809) is also enclosed.
- ☒ No additional claim fee is required.

☐ An additional claim fee is required, and is calculated as shown below:

AMENDED CLAIMS					
	NO. OF CLAIMS	HIGHEST NO. OF CLAIMS PREVIOUSLY PAID FOR	EXTRA CLAIMS	RATE	ADDT'L FEE
Total Claims		MINUS =		× \$18.00 (1202) =	
Independent Claims		MINUS =		× \$84.00 (1201) =	
If Amendment adds multiple dependent claims, add \$280.00 (1203)					
Total Amendment Fee					
If small entity status is claimed, subtract 50% of Total Amendment Fee					
TOTAL ADDITIONAL FEE DUE FOR THIS AMENDMENT					


☐ A claim fee in the amount of \$\_\_\_\_\_ is enclosed.

☐ Charge \$\_\_\_\_\_ to Deposit Account No. 02-4800.

The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17, 1.20(d) and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

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